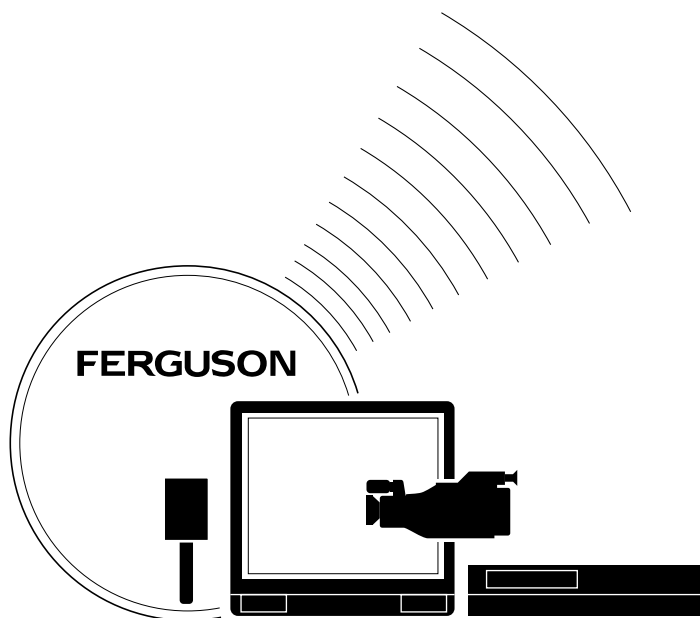


# FERGUSON

## FDT 600

### DIGITAL TERRESTRIAL RECEIVER



## OPERATING INSTRUCTIONS

## CONTENTS

- 2 Accessories
- 3 Safety Information
- 4 Connections
- 5 Remote Control Handset
- 6 Tuning the Receiver
- 7 Advanced Setup
- 8 Program Information
- 9 Lists and interactive services
- 10 Timer Programming and Recording
- 11 Parental Controls
- 12 Upgrading your Receiver
- 13 Other Information
- 14 Trouble Shooting and Information
- 15 Your Guarantee

## ACCESSORIES

Operation Manual

2 x AAA batteries

Guarantee Card

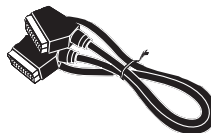
FDT 600



Power Cord



Scart Lead



Remote Control



## INTRODUCTION

Congratulations on your choice of this state-of-the-art Digital Free to View Receiver. We hope you will enjoy all the new features this technology brings to your home for many years. Your dealer should have checked your postcode for reception, but the availability of Digital Signals does depend on the transmitter(s) available to your receiving aerial. If you have any doubt about this availability, please contact your dealer, or have a look on the following internet websites:-

[www.freeview.co.uk](http://www.freeview.co.uk) or [www.dtg.org.uk/consumer](http://www.dtg.org.uk/consumer)  
or call Freeview on 08708 809 980

## SAFETY INFORMATION

In order that you may enjoy this product for a long time it is important that you observe the following points when installing and operating your receiver

- This receiver is intended for the reception of TV picture and sound signals. Any other application is expressly prohibited.
- Avoid the long-term display of static images, e.g. menus or audio only channels. Use the Radio (Blank Screen) feature (see Advanced Setup)
- Do not expose the receiver to any moisture. The receiver is intended for use in dry rooms. If you wish to operate it in the open air, make absolutely sure that it is protected against moisture (rain, splashes, etc.).
- Do not place any object filled with water (vases or similar) on the receiver.
- Place the receiver on a flat and hard surface. Do not place any objects (e.g. newspapers) on the receiver.
- If placed in an enclosed unit, the all-round distance between the receiver and the sides of the unit must be at least 10cm.
- Do not place the receiver in the immediate vicinity of a heat source or in direct sunlight as this would prevent appropriate cooling.
- During a thunderstorm it is recommended that you disconnect the receiver from the mains and aerial to prevent damage from lightning strikes.
- Never open the receiver as this will invalidate your guarantee.
- Do not dispose of used batteries in normal waste. Please dispose of them at appropriate collection points.
- If you are not using the receiver for a long time (including overnight), please switch it off at the mains. This saves energy. Note that any software upgrades can take place at night at your request.
- This product has been constructed with the environment in mind. There is a minimum of plastic parts and the packaging is largely made from recycled paper. It is also disassembly-friendly allowing for easy recycling at the end of its life.

## CLEANING

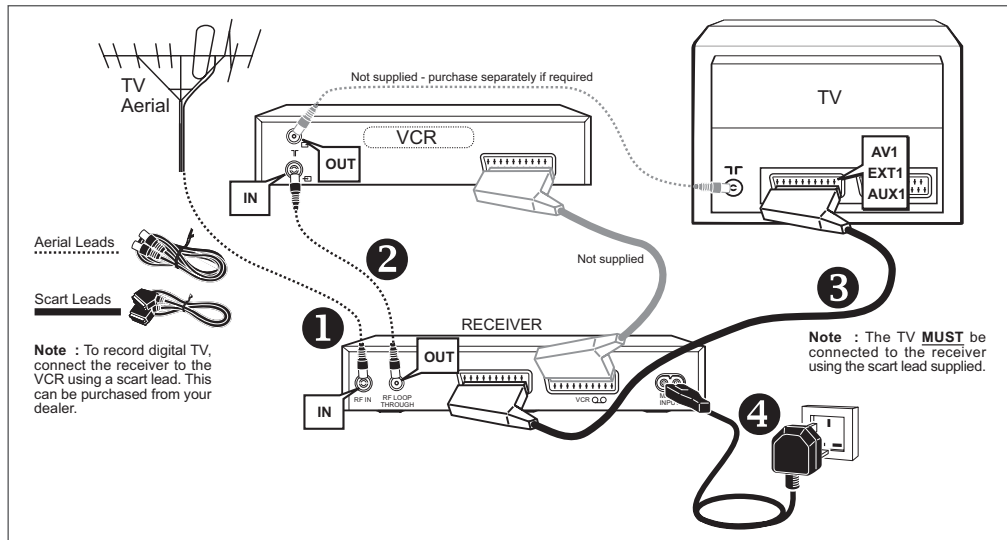
Dust will collect on the unit and can be removed with dry clean cloth.

**Do not** spray any substance on the unit.

## CONNECTIONS

How to connect the aerial, scart and co-axial cables

**Caution :** Always disconnect the receiver from the mains supply before you connect it to any other equipment.



- ❶ Unplug the aerial lead from your VCR (or TV) and connect it to the »RF IN« socket on the rear of the receiver.
- ❷ If connecting to a VCR, connect the aerial fly-lead that came with your VCR between »LOOP THROUGH OUT« on the receiver and aerial IN on the VCR.
- ❸ Connect the scart lead from the »TV SCART« socket on the receiver to the AV1/EXT1/AUX1 scart IN on your TV.
- ❹ Plug the power connector into the »MAINS INPUT« socket on the receiver.

If you wish to record digital TV, you need to purchase an additional scart cable from your dealer and connect it between the VCR scart socket on your receiver and the AV1 (or similar, refer to your VCRs user manual for details) scart socket on your VCR.

**Note:** If you wish to continue watching analogue TV on your television, you must purchase an aerial fly-lead and connect it between the aerial IN on the TV and the aerial OUT on the VCR (or the »LOOP THROUGH OUT« on the receiver)

**IMPORTANT NOTE :** This receiver MUST be connected via scart leads to your TV and/or VCR.

# REMOTE CONTROL

Insert the batteries into the handset making note of the polarity.  
Always point the remote control at the receiver.



## The remote control



Switches the receiver in/out of stand-by mode.

1

0

Numeric keys for various inputs.



Switches to the next channel, position step by step.



[MENU] Access main menu.



[TEXT] Enter / Exit teletext.



[GUIDE] Access TV-Guide.



[INFO] Calls up the Information Banner.



[QUIT] Quit the menu system.



[BACK] Select previous menu.



Select various functions in the menus.



Select various functions in the menus.



[OK] Confirms selections made from the menus.

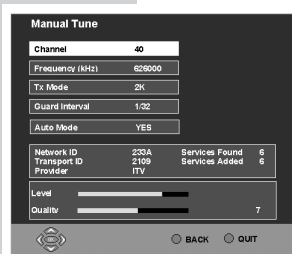
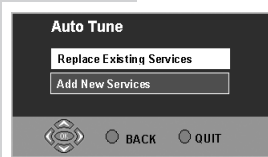
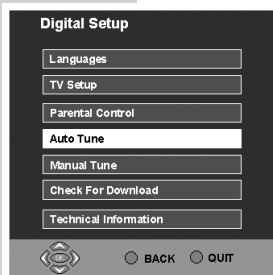


[COLOUR] Coloured keys for Teletext and interactive services.

### Note:

Other keys not mentioned above have no function on this model.

# TUNING THE RECEIVER



## Start up

Once the mains has been connected to the receiver, it will take up to 15 seconds to start up. If this is the first time installation, a menu will automatically appear.

Press [OK] when prompted.

If this is not the first time, follow the steps below :-

## Auto tune

Once the receiver has been connected to the aerial and television, the receiver can now be tuned in.

1. Press on the handset to turn the receiver on.
2. Press [MENU].
3. Select **SETUP** with / and press [OK].
4. Select **AUTO TUNE** with / and press [OK].
5. Press [OK] to select **REPLACE EXISTING SERVICES**.

Now wait while the receiver searches for all the available services, this may take a few minutes.

The receiver will place the services in numerical order.

6. Press [OK] or [QUIT] to exit the menu. Alternatively see later in the guide how to sort your Service List.

As new services become available, upgrade the **SERVICE LIST** by selecting the **ADD NEW SERVICES** option or, when major changes occur, use **REPLACE EXISTING SERVICES** option.

## Manual tune

This allows an advanced user to manually tune services.

1. Select **MANUAL TUNE** from the **SETUP** menu and press [OK].
2. Now enter the channel number to be tuned.

This menu also shows the aerial signal strength. The Level bar shows **GREEN** for good, **YELLOW** for poor, or **RED** for bad signals. The higher the Quality number, the better the signal is.

By changing **AUTO MODE** to **NO**, it is possible to change other reception parameters.

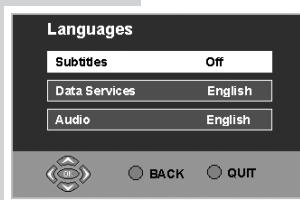
## ADVANCED SETUP



### TV Setup

You can choose how pictures are displayed on your TV.

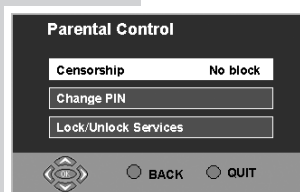
1. Press [MENU], select the **SETUP** menu and press [OK].
2. Now select **TV SETUP** and press [OK].
3. Now choose your type of TV. Use **▶/◀** and choose **16:9** for a widescreen TV or **4:3** for a conventional one.
4. Now choose how widescreen images appear. If your TV is 4:3 use **▶/◀** and choose from Letterbox, Centre Cutout (centre action only) or Full Frame (stretched).
5. To avoid screen burn on radio channels that can occur with Plasma screen displays and projectors, choose **Radio (Blank Screen)** to display a blank screen. Use **▶/◀** to choose between **Off**, **Immediate** or **Delayed** (The screen will go blank after a few seconds.)
6. Now choose the Video Output mode. Use **▶/◀** to choose from **RGB** (best quality pictures for TVs that support it) or **PAL** (suitable for all other TV sets).
7. To exit menu press [QUIT].



### Languages

You can choose your desired languages for Sound, Subtitles and Interactive (data) Services (depends on broadcast).

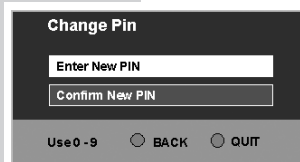
1. Press [MENU], select the **SETUP** menu and press [OK].
2. Select **LANGUAGES** and press [OK].
3. Select Subtitles, Data Services or Audio using **▲/▼**.
4. Use **▶/◀** to choose the desired language or Off to suppress Subtitles.
5. To exit menu press [QUIT].



### PIN number

You can choose a PIN (Personal Identification Number) for use with parental controls. The receiver was originally programmed with 1234. Change this number as follows :-

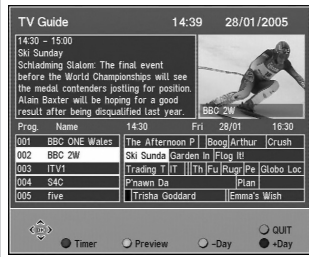
1. Press [MENU], select **SETUP** menu and press [OK].
2. Select **PARENTAL CONTROL** and press [OK].
3. Now enter the current PIN \*\*\*\*.
4. Select **CHANGE PIN** and press [OK].
5. Use 0..9 to enter a new PIN.
6. Use 0..9 to confirm new PIN. When confirmed, this number is now stored. **KEEP THIS NUMBER SAFE!**
7. To exit menu press [QUIT].



# PROGRAM INFORMATION

## 7-Day TV guide

The TV guide shows details of programs whilst allowing you to watch a smaller picture of the selected service.



To access the guide press **[GUIDE]**.

Move up and down the channel listings using **▲/▼** keys, you can move a page at a time by using **Pr+/Pr-** keys.

Find out what's on later using **▶/◀** keys.

To see a preview of the chosen program press **[GREEN]**.

Press **[YELLOW]** or **[BLUE]** to move backwards or forwards a day at a time.

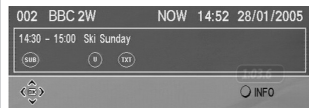
Press **[OK]** to view the selected channel.

You can set a reminder for a program you wish to view later. Select the program you wish to view and press **[GREEN]**. The item you chose then turns green. A prompt will appear on screen when the program is about to start, press **[OK]** to select the program or **[QUIT]** to cancel.

To record the chosen program press **[RED]**. The item will then be entered into a timer. See page 10 for details on timer programming.

## Information banner

To view information about the program you are currently viewing, press the **[INFO]** button.

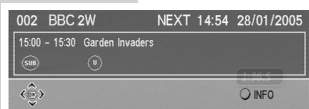


One press shows a small amount of information a second press shows more details about the current program.



The icons represent the following information :-

- TXT - Interactive service available
- U - The certificate issued for the current program
- SUB - Subtitles available



While the information banner is on display, you can view details for the next program. Do this by pressing **▶**. You can also view details for other channels. Search through the listings using the **▲/▼** keys.

Press the **[INFO]** button again to remove the banner.



## LISTS AND INTERACTIVE SERVICES

### Service List

This list contains all the services that were tuned in during an Auto tune or Manual tune. You can delete services that you do not want or you can add them to your Favourite List for easier selection.

Prog.	Name	Service	Favourite
001	BBC ONE Wales	TV	Yes
002	BBC 2W	TV	Yes
003	ITV1	TV	Yes
004	S4C	TV	No
005	five	TV	Yes
006	ITV2	TV	Yes
007	BBC THREE	TV	No
008	Channel 4	TV	Yes
009	Teletext	TEXT	No

◀ ▶ ● Delete ● Favourite

1. Press [MENU], select **SERVICE LIST** and press [OK].
2. Select a service using ▲/▼ keys.
3. To delete the selected service, press [RED]. (Once deleted, you must repeat manual/auto tune to view)
4. To add a service to the Favourite List, select the service and then press [BLUE] until "YES" is shown.
5. To remove a service from the Favourite List press [BLUE] until "NO" is shown.
6. Press [OK] to view the selected service.

### Favourite List

All Free-to-View services are automatically set to favourites after a Manual or Auto tune. This list determines the order in which services are selected when using the Pr+/Pr- keys. So for the example below, when watching five, pressing Pr+ would select BBC Radio 2.

Prog.	Name	Service
001	BBC ONE Wales	TV
002	BBC 2W	TV
003	ITV1	TV
008	Channel 4	TV
005	five	TV
072	BBC Radio 2	TV
054	Ttext TV Guide	TEXT
006	ITV2	TV
010	BBC FOUR	TV

◀ ▶ ● Move ○ BACK ○ QUIT

To reorder the list,

1. Press [MENU], select **FAVOURITE LIST** and press [OK].
2. Select the service you wish to move with ▲/▼ and press [BLUE]. (The service will be highlighted in red).
3. Now move the service using ▲/▼ to your desired location and press [BLUE] to store it in position.
4. Repeat this process until the list is how you wish it.
5. To exit menu, press [QUIT].

The favourite channels are now set to suit your personal requirements. To view channels that are not selected as favourites, use TV Guide, Service List or enter the channel number directly via the remote control, 0..9.

### Teletext and interactive services

If your chosen channel has Teletext (MHEG) features use [TEXT] to access them. To return to normal viewing press [TEXT] again. Some services offer interactive features, details of these and how to use them will appear on screen as they occur.

## TIMER PROGRAMMING AND RECORDING

To record an analogue channel ensure that the aerial connections to your VCR are as shown in the connection diagram and use the VCR as normal.

To record a digital channel, connect the receiver directly to your VCR via the VCR scart socket on the rear of the receiver (see connection diagram). Please consult your VCR user manual for details on recording via **AV** or **AUX** inputs.

The **TIMER PROGRAMMING** function enables the receiver to :-

- Automatically switch to your pre-selected channels at pre-selected times.
- Start Auto Record on the VCR (where the VCR supports scart automatic recording function, see your VCR manual for details on this.)

**NOTE:** The system may not accept a start time less than 5 minutes ahead of the current clock time displayed in the menu.



1. Press [MENU], select **TIMER PROGRAMMING** and press [OK].
2. Using ▲/▼ select a free event, or select an event you wish to alter and press [OK].
3. Using ►/◀ select the program you wish to record or use 0..9 to enter the number directly, e.g. 003.
4. Press ▼ to select the date and enter the date directly using 0..9 or use ►/◀ to choose.
5. Press ▼ to select the time and enter the start time directly using 0..9 or use ►/◀ to choose.
6. Press ▼ to select the duration and enter the length of the program using 0..9 or use ►/◀ to choose.
7. Press ▼ to select repeat. Press ► to choose from WEEKLY, DAILY, MON-FRI, MON-SAT or NO.
8. Press ▼ to select subtitles. Press ► to choose YES or NO.
9. When the details are correct, press [OK] to store them.
10. To exit menu, press [QUIT].

If a mistake has been made during **DETAIL ENTRY**, an error message will be displayed at the bottom of the screen. For instance, in the event of 2 programmes being entered with similar start times, then an **EVENT CLASH** error message will be displayed. If any errors are found during this stage, the system will not allow any further progress.

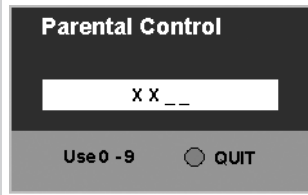
When the Timer Event has been activated, both **RED** and **GREEN** LEDs will be lit for the duration of the event. A suitably equipped VCR will record automatically during this time. Please note that unless your VCR supports automatic scart recording **YOU MUST ALSO SET THE VCR TIMER**.

In order to delete an entry you no longer need, position the cursor over the entry to be removed in the **TIMER PROGRAMMING** menu and press [RED].

Cancel an event at any time by pressing [QUIT]. Press [QUIT] again to confirm.

# PARENTAL CONTROLS

You can use **PARENTAL CONTROL** to create viewing restrictions on your receiver. First create your own Personal Identification Number (**PIN**) as shown in the Advanced Setup section of this guide. You can now create censorship levels or Lock out channels completely.



Press **[MENU]**, select **PARENTAL CONTROL** and press **[OK]**. Now enter your PIN. The menu will appear.



## Censorship

If the censorship level does not match the censorship rating of the program, access will be denied, the user is prompted for the PIN before access is granted.

Press **▶** to set the censorship level to OFF, 6, 12, 15, 18 or BLOCK (for total block).



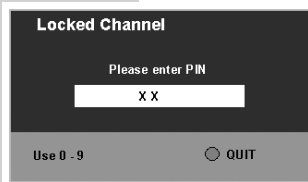
## Lock services

From the **PARENTAL CONTROL** menu, select **LOCK/UNLOCK SERVICES** and press **[OK]**.

To Lock/Unlock services scroll through the list of services with **▲/▼** and Lock/Unlock the highlighted service with **[OK]**.

To exit menu press **[QUIT]**.

To view a locked channel the **PIN** must be entered. Once entered, all locked channels will be unlocked until the receiver is next in standby.



Should any censored or locked channel be selected using the **TIMER PROGRAMMING** function, you must enter the PIN before the event is stored.

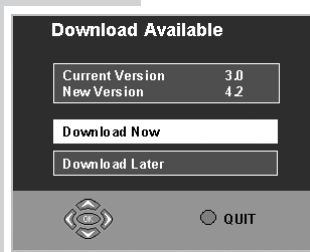
Should any channel be censored or locked after the **TIMER PROGRAMMING** function has been set, you will be prompted for the PIN before access is granted. Entering an incorrect PIN will only allow the status of the channel to be displayed upon a blank screen.

LOCKED

CENSORED

## UPGRADING YOUR RECEIVER

From time to time new services are launched which may require your receiver to be upgraded with new software before you can use them. Sometimes new features may be introduced to enhance your receiver.



### Notification

This menu is automatically displayed when a new "Over-Air-Download" is detected after switch on. You now have three options.

- To start the download immediately, press [OK].
- Select **DOWNLOAD LATER** to set a timer event to receive the new software during the night.
- Refuse the download at this time by pressing [QUIT]. (However, the download may be re-detected and indicated the next time you switch on.) It is highly recommended that you keep your receiver up to date.

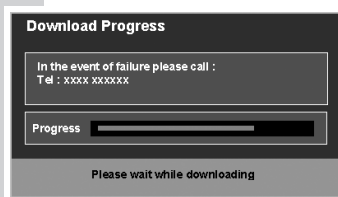
### Check for download

You can manually check to see if new software is available for download. If there is one available, you will see the download menu as above.

To check:-

1. Press [MENU], select **SETUP** and press [OK].
2. Select **CHECK FOR DOWNLOAD** and press [OK].
3. If no download is available, press [QUIT] to exit.
4. Press [OK] to start. Alternatively, schedule the download for later.

The download can take up to 30 minutes or be slow to start, so please be patient. After the download, details about the new software will be displayed for you. There may also be a telephone number to call in case of any difficulty.



If the download fails, try again later.

During part of the download, **DO NOT** switch off the receiver, this warning is displayed on screen.

## OTHER INFORMATION

Technical Information	
System Version	2.5.0
Elgist Library	1.45.1
MHEG Library	1.9.3
DSMCC Library	2.7.0
OAD Library	2.6.1
Network Library	N/A
Menu Manager Library	1.10.1
Host	N/A
Hardware	04901
ID	AB02056505954475

○ BACK ○ QUIT

### Technical information details

The technical information screen displays the hardware and software information of the receiver. This information may be required by the service agent or service call operator.

1. Press [MENU], select **SETUP** and press [OK].
2. Select **TECHNICAL INFORMATION** and press [OK].

### Hotel Mode

When power to the receiver is disconnected, the unit will always return to standby when next reconnected. If you wish the unit to return to the last viewed channel, follow the instructions below :-

1. Press [MENU], select **SETUP** and press [OK].
2. Select **TECHNICAL INFORMATION** and press [OK].
3. Key in the number 4177 - Note that the numbers will not be displayed on the screen.

When successful, the words "Hotel Mode" will be displayed at the bottom of the menu. The unit will now power on to the last viewed channel. This can be useful for hotel redistribution systems for power loss recovery. Key in 6399 to return the unit to normal operation.

# TROUBLE SHOOTING AND TECHNICAL INFORMATION

## Trouble Shooting

Not every picture or sound problem is caused by a defect in your Digital Terrestrial Receiver. Leads having been accidentally pulled out or worn out batteries in the remote control can also cause impairment. If your unit does something unexpected while you are using it, please unplug it, wait a few seconds then plug it in again. If this fails to solve the problem or the following measures do not bring about satisfactory results, please consult an authorised dealer.

<b>FAULT</b>	<b>CAUSE/REMEDY</b>
Receiver does not respond to the remote control	Unit is in low power standby. Press Standby button on unit. Point the remote control directly at the receiver. Remove all obstacles which may impair the path of the remote control signal. Check or replace the remote control batteries.
No Picture Disrupted Picture	Check all connections at the rear of the unit Check RF IN connection. Ensure cables to TV are inserted correctly Select AV channel on TV set Replace aerial outlet plate with shielded type
No Sound	Check all connections at rear of unit
No Power	Check mains plug is inserted correctly and receiver is switched on

## Technical Information

This product fulfils the European directives 89/336/EEC, 73/23/EEC and 93/68/EEC. This device conforms to the safety regulation DIN EN 60065 (VDE 0860) and therefore the international safety regulation IEC 60065.

You may not open the Digital Terrestrial Receiver. The manufacturer accepts no liability for damage resulting from improper handling

**Mains voltage:**  
230V~, 50/60Hz

**Power consumption:**  
Operating ~10W.

**Ambient temperature:**  
+10°C to 35°C

**Audio Format:**  
Analogue : Stereo Sound

**Dimensions and weight**  
Dimensions : W x H x D - 252 x 43 x 153mm  
Weight : Approx. 0.7Kg

**Video:**  
Signal to noise : 73dB  
Video jitter : 1ns

**Audio:**  
Signal-to-noise : 95dB  
Interchannel isolation : 90dB  
THD : 0.03%

## Safety information

### Mains connection

This receiver is suitable for use on A.C. mains supply, 220–240 V - 50 Hz only.

It must not be connected to D.C. mains.

Note: The mains lead of the receiver is fitted with a moulded plug. If the mains sockets are not compatible or if for any reason the plug is removed please follow the directions below.

The moulded plug cannot be rewired and if removed must be disposed of safely. Remove the fuse to make it safer.

**Do NOT** under any circumstances plug the severed plug into any mains socket as this could result in an electric shock.

### Important!

If the plug is removed, rewire new plug as follows: The wires in the mains plug are coloured in accordance with the following code:

**BLUE - NEUTRAL**

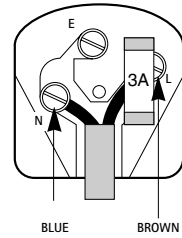
**BROWN - LIVE**

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

**BLUE** wire to the terminal coded N (Neutral) or coloured black.

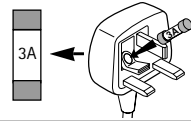
**BROWN** wire to the terminal coded L (Live) or coloured red.

**Do NOT** make any connection to the terminal in the plug which is marked by the letter E or by the safety symbol  $\perp$  or coloured green and yellow.



A fused plug must be fitted with a 3A fuse approved by ASTA or BSI to BS 1362 and fuse covers must always be securely replaced.

If the fuse blows, check the mains cable for damage or call a qualified technician. Do not try to bridge the fuse or increase its rating!



**!** *The OFF button  $\odot$  on the remote control and the receiver\* does not completely disconnect the unit from the mains supply, but switches operating power on and off. \*Note: Not all receivers have control buttons.*

## Your guarantee

Dear Customer,

Thank you for purchasing this THOMSON product and for your confidence in our company. This product meets applicable safety requirements and has undergone stringent testing during manufacture.

However, should there occur a defect, the product or its defective part(s) (excluding accessories and consumables) will be repaired free of charge (labor and parts) or, at THOMSON discretion, exchanged for a similar item, provided that it has been returned within 12 (twelve) months from the date of original purchase (date of receipt), is defective in materials and/or workmanship and has been bought in any of the following countries: F, I, E, P, GB, IRL, D, CH, A, B, L, NL (Territory) or in a Duty-free shop in the named countries.

This guarantee will be granted only upon presentation of the original invoice or cash receipt, indicating the date of purchase and dealer's name. The benefits of this guarantee may be refused if the invoice, cash receipt or guarantee card has been altered in any way, deleted or made illegible after the original purchase.

This guarantee does not apply to any of the following:

1. Damage caused by accidents including, but not limited to, lightning, fire, water;
2. Transport costs between the home and place of service and other costs and risks of transport relating directly or indirectly to this guarantee;
3. Damage to the product resulting from neglect, misuse, including but not limited to, failure to use, repair and/or install the product for its normal domestic purposes and/or in accordance with the operating instructions on its proper installation and use;
4. Modifications, adaptations and alterations of the product to operate in a country other than that for which it was originally designed and manufactured, or any damage resulting from such modifications;

These statements do not affect your statutory rights as a consumer under applicable national legislation in force, nor your consumer's rights against the dealer from whom you bought the product.

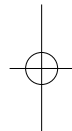
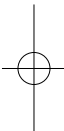
If you need service, whether or not under guarantee, please approach the dealer who sold you the product.

In your own interest we advise you to read the instruction booklet for your THOMSON product carefully before contacting your dealer or service center.

If you need service while in a country (within the named Territory) other than the one where you bought your product, please contact the nearest THOMSON InfoCenter.

Should you have any questions which your dealer is unable to answer, please contact:

THOMSON  
 Techicolor Building  
 Bath Road  
 West Drayton  
 Middlesex  
 UB7 0DB  
 tel.+44 (0) 1788 541 970  
 http://www.thomson-broadband.com



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